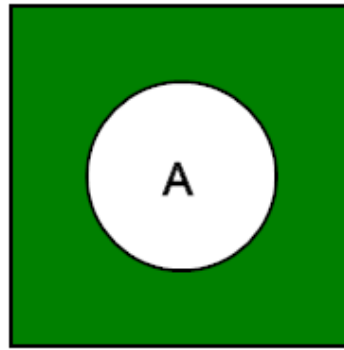




Math worksheet on 'Probability Union, Intersection, Complement - Venn Diagram to Formula (Level 1)'.  
Part of a broader unit on 'Probability - Set Operations - Practice'

Learn online: [app.mobius.academy/math/units/probability\\_set\\_operations\\_practice/](http://app.mobius.academy/math/units/probability_set_operations_practice/)

1

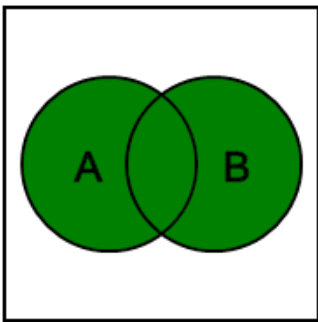


What formula would calculate the green area in this Venn diagram

**a**  $P(A) + P(B) - P(A \cap B)$

**b**  $1 - P(A)$

2 What formula would calculate the green area in this Venn diagram

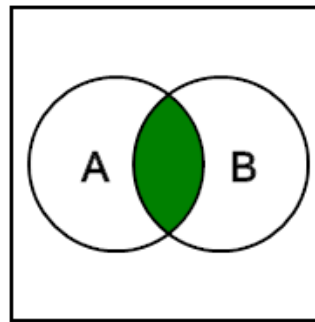


**a**  $1 - P(A)$

**b**  $P(A) \cdot P(B)$

**c**  $P(A) + P(B) - P(A \cap B)$

3 What formula would calculate the green area in this Venn diagram



**a**  $\frac{P(A \cap B)}{P(B)}$

**b**  $P(A) \cdot P(B)$

**c**  $1 - P(A)$